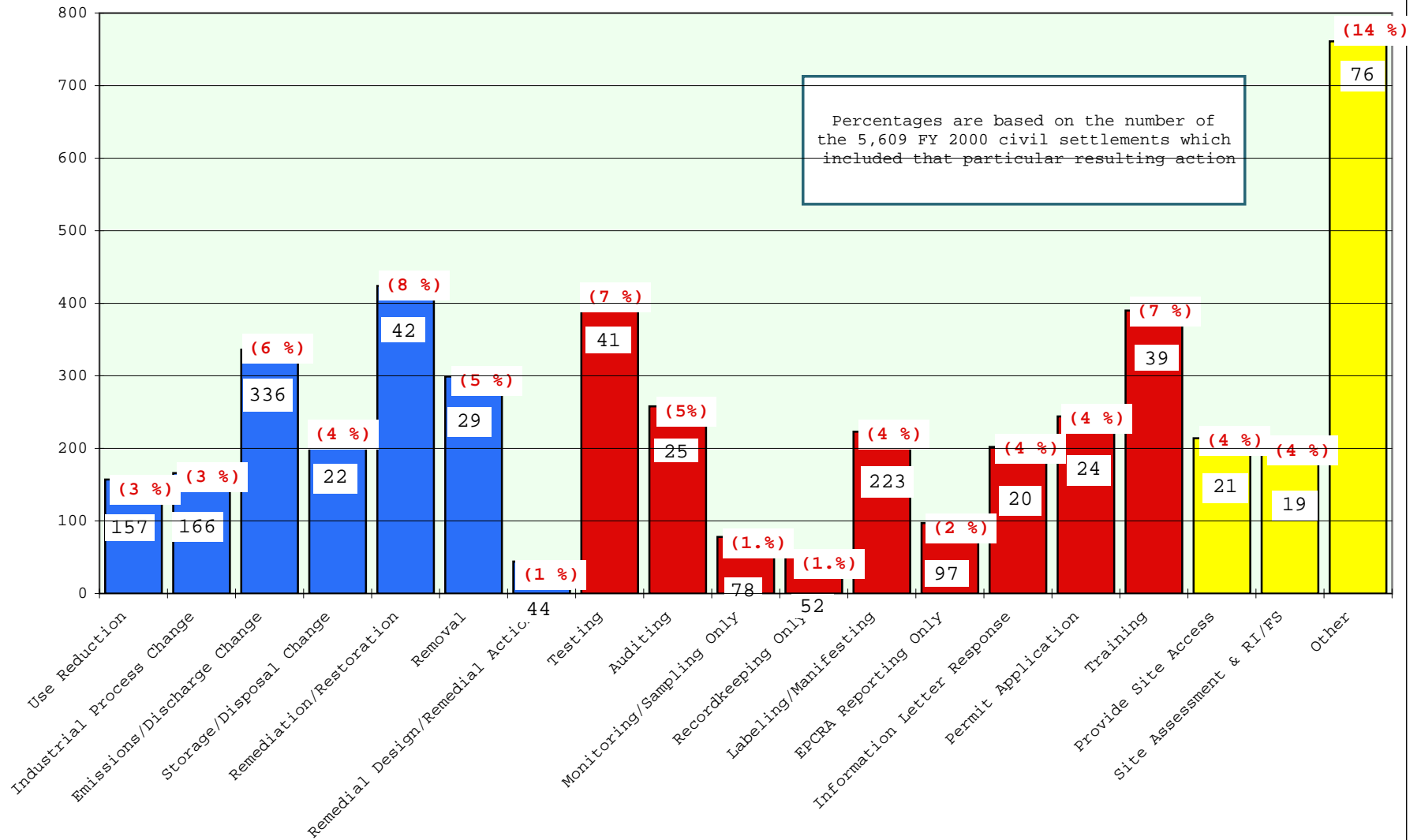
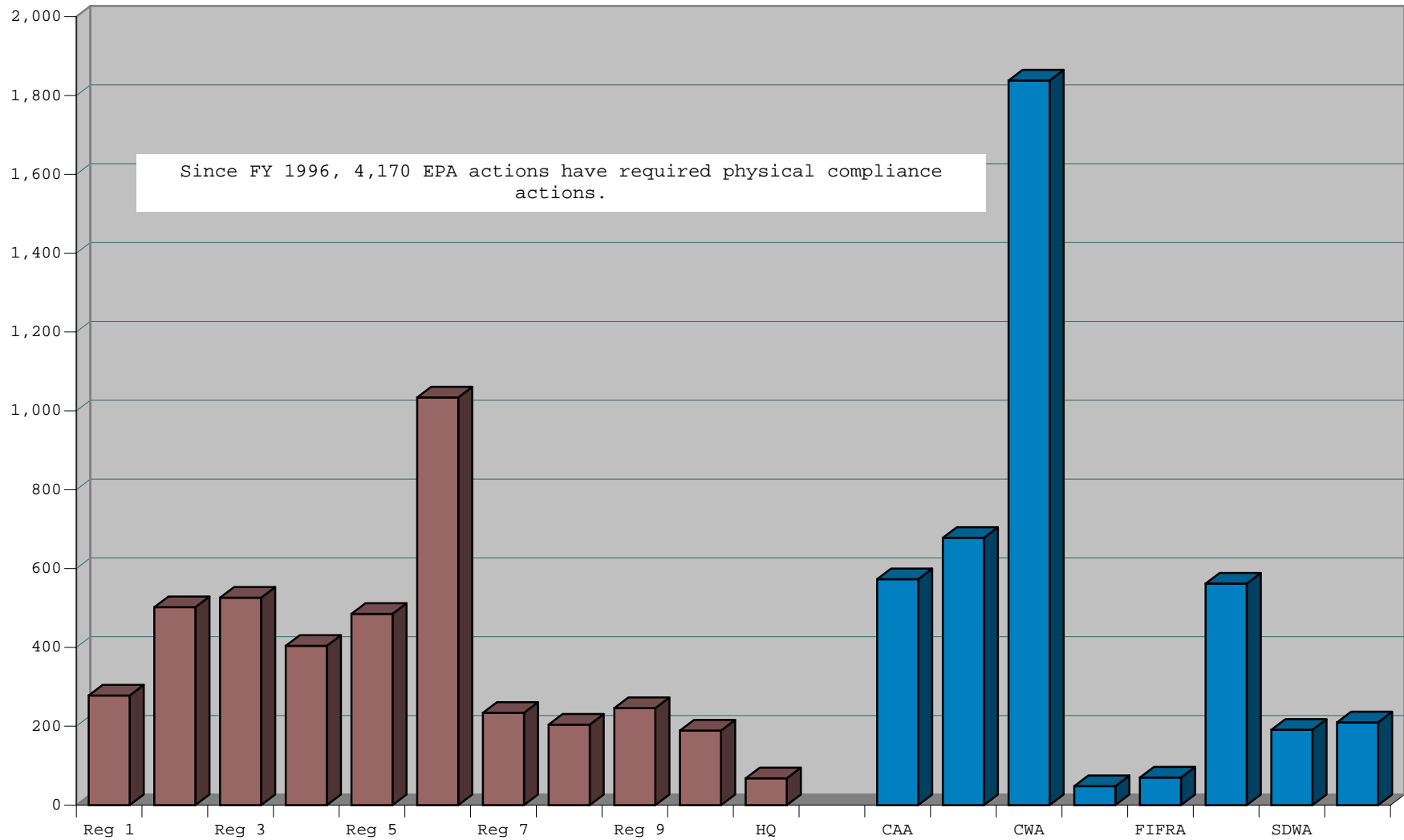


Results of EPA Civil Enforcement Actions Concluded in FY 2000



Number of Formal Actions That Required a Physical Compliance Action Since FY 1996

(FY 1996 through FY 2000)



FY 2000 Concluded EPA Enforcement Actions: Types of Compliance Activity
 - By Region (Does Not Include SEP Impacts)

Type of Impact from FY 2000 Cases	Region I	Region I	Region I	Region IV	Region V	Region V	Region V	Region V
Use Reduction	3	6	7	2	4	120	5	2
Industrial Process Change	4	4	3	4	7	121	5	9
Emissions/Discharge Change	8	26	88	6	11	145	17	9
Storage/Disposal Change	10	16	9	5	9	125	15	16
Remediation/Restoration	11	11	129	32	12	150	11	27
Removal	15	13	19	34	12	139	17	17
Remedial Design/Remedial Action	3	5	7	3	2	20	1	0
Testing	19	51	18	28	11	192	37	10
Auditing	6	2	22	22	2	127	4	4
Monitoring/Sampling Only	0	6	3	36	0	1	22	4
Total Monitoring/Sampling	28	70	32	131	14	216	115	39
Recordkeeping Only	1	11	1	8	0	0	24	0
Total Recordkeeping	24	133	115	81	24	278	120	23
Labeling/Manifesting	7	16	12	33	6	119	11	8
Reporting Only	92	447	179	159	0	136	255	89
Total Reporting	113	590	204	254	23	545	341	130
Information Letter Response	5	28	6	7	7	122	3	8
Permit Application	4	16	81	6	3	122	1	2
Training	9	28	93	17	4	200	10	7
Provide Site Access	7	11	14	20	5	122	9	8
Site Assessment	3	6	4	16	4	122	5	4
Remedial Investigation/Feasibility Study	3	5	2	8	1	0	1	2
Other Result/Impact Only	22	85	34	324	120	104	3	43
Total Other Result/Impact	38	110	120	383	208	386	8	64
Total # of Case Settlements/Conclusions	237	920	526	772	403	1,150	542	313
# of Settlements w/actions reported	189	786	424	728	215	869	487	243
Total # of Impact Types	354	1,179	1,030	1,115	446	3,554	739	412
cases were for penalty only	34	32	45	23	77	183	3	23
Multiple complying actions were reported for some settlements.								
Average Actions per Case Reported	1.9	1.5	2.4	1.5	2.1	4.1	1.5	1.7

FY 2000 Concluded EPA Enforcement Actions: Types of Compliance Activity
 - By Region (Does Not Include SEP Impacts)

Region I	Region X	HQ	TOTALS
3	5	0	157
6	2	1	166
11	15	0	336
8	10	0	223
28	7	6	424
18	14	1	299
3	0	0	44
15	26	5	412
41	11	17	258
1	5	0	78
32	31	6	714
3	3	1	52
37	50	12	897
7	0	4	223
200	5	0	1,562
277	48	16	2,541
10	5	1	202
4	3	2	244
4	5	13	390
13	4	1	214
5	4	1	174
2	0	0	24
19	6	1	761
29	22	7	1,375
437	168	141	5,609
361	118	35	4,455
604	287	98	9,818
51	25	5	501
1.7	2.4	2.8	2.2

OECA/OC/EPTDD/TEB - November 28, 2000

Frequency Distribution of Specific Complying Actions as a Percent
of Settlements for Each Region in FY 2000

Type of Impact from FY 2000 Cases	Region I	Region I:	Region I:	RegionIV	Region V	Region V:	Region V:	Region V:
Use Reduction	1.3%	0.7%	1.3%	0.3%	1.0%	10.4%	0.9%	0.6%
Industrial Process Change	1.7%	0.4%	0.6%	0.5%	1.7%	10.5%	0.9%	2.9%
Emissions/Discharge Change	3.4%	2.8%	16.7%	0.8%	2.7%	12.6%	3.1%	2.9%
Storage/Disposal Change	4.2%	1.7%	1.7%	0.6%	2.2%	10.9%	2.8%	5.1%
Remediation/Restoration	4.6%	1.2%	24.5%	4.1%	3.0%	13.0%	2.0%	8.6%
Removal	6.3%	1.4%	3.6%	4.4%	3.0%	12.1%	3.1%	5.4%
Remedial Design/Remedial Action	1.3%	0.5%	1.3%	0.4%	0.5%	1.7%	0.2%	0.0%
Testing	8.0%	5.5%	3.4%	3.6%	2.7%	16.7%	6.8%	3.2%
Auditing	2.5%	0.2%	4.2%	2.8%	0.5%	11.0%	0.7%	1.3%
Monitoring/Sampling Only	0.0%	0.7%	0.6%	4.7%	0.0%	0.1%	4.1%	1.3%
Total Monitoring/Sampling	11.8%	7.6%	6.1%	17.0%	3.5%	18.8%	21.2%	12.5%
Recordkeeping Only	0.4%	1.2%	0.2%	1.0%	0.0%	0.0%	4.4%	0.0%
Total Recordkeeping	10.1%	14.5%	21.9%	10.5%	6.0%	24.2%	22.1%	7.3%
Labeling/Manifesting	3.0%	1.7%	2.3%	4.3%	1.5%	10.3%	2.0%	2.6%
Reporting Only	38.8%	48.6%	34.0%	20.6%	0.0%	11.8%	47.0%	28.4%
Total Reporting	47.7%	64.1%	38.8%	32.9%	5.7%	47.4%	62.9%	41.5%
Information Letter Response	2.1%	3.0%	1.1%	0.9%	1.7%	10.6%	0.6%	2.6%
Permit Application	1.7%	1.7%	15.4%	0.8%	0.7%	10.6%	0.2%	0.6%
Training	3.8%	3.0%	17.7%	2.2%	1.0%	17.4%	1.8%	2.2%
Provide Site Access	3.0%	1.2%	2.7%	2.6%	1.2%	10.6%	1.7%	2.6%
Site Assessment	1.3%	0.7%	0.8%	2.1%	1.0%	10.6%	0.9%	1.3%
Remedial Investigation/Feasibility Study	1.3%	0.5%	0.4%	1.0%	0.2%	0.0%	0.2%	0.6%
Other Result/Impact Only	9.3%	9.2%	6.5%	42.0%	29.8%	9.0%	0.6%	13.7%
Total Other Result/Impact	16.0%	12.0%	22.8%	49.6%	51.6%	33.6%	1.5%	20.4%
Total # of Case Settlements/Conclusions	237	920	526	772	403	1,150	542	313
# of Settlements w/actions reported	189	786	424	728	215	869	487	243
Total # of Impact Types	354	1,179	1,030	1,115	446	3,554	739	412
501 cases were for penalty only	14.3%	3.5%	8.6%	3.0%	19.1%	15.9%	0.6%	7.3%

Frequency Distribution of Specific Complying Actions as a Percent
of Settlements for Each Region in FY 2000

Region IX	Region X	HQ	TOTALS
0.7%	3.0%	0.0%	2.8%
1.4%	1.2%	0.7%	3.0%
2.5%	8.9%	0.0%	6.0%
1.8%	6.0%	0.0%	4.0%
6.4%	4.2%	4.3%	7.6%
4.1%	8.3%	0.7%	5.3%
0.7%	0.0%	0.0%	0.8%
3.4%	15.5%	3.5%	7.3%
9.4%	6.5%	12.1%	4.6%
0.2%	3.0%	0.0%	1.4%
7.3%	18.5%	4.3%	12.7%
0.7%	1.8%	0.7%	0.9%
8.5%	29.8%	8.5%	16.0%
1.6%	0.0%	2.8%	4.0%
45.8%	3.0%	0.0%	27.8%
63.4%	28.6%	11.3%	45.3%
2.3%	3.0%	0.7%	3.6%
0.9%	1.8%	1.4%	4.4%
0.9%	3.0%	9.2%	7.0%
3.0%	2.4%	0.7%	3.8%
1.1%	2.4%	0.7%	3.1%
0.5%	0.0%	0.0%	0.4%
4.3%	3.6%	0.7%	13.6%
6.6%	13.1%	5.0%	24.5%
437	168	141	5,609
361	118	35	4,455
604	287	98	9,818
11.7%	14.9%	3.5%	8.9%

OECA/OC/EPTDD/TEB - November 28, 2000

Results: Outcomes
 FY 2000 Concluded EPA Enforcement Actions: Types of Compliance Activity
 - By Law (Does Not Include SEP Impacts)

Type of Impact from FY 2000 Cases	CAA	CERCLA	CWA	EPCRA	FIFRA	RCRA	SDWA	TSCA	TOTALS
Use Reduction	12	0	123	4	5	9	0	4	157
Industrial Process Change	12	2	128	4	3	11	4	2	166
Emissions/Discharge Change	38	5	273	2	0	16	1	1	336
Storage/Disposal Change	7	2	145	1	9	40	2	17	223
Remediation/Restoration	17	29	326	1	1	28	10	12	424
Removal	6	59	186	0	9	23	0	16	299
Remedial Design/Remedial Action	0	23	19	0	0	1	1	0	44
Testing	40	15	145	0	0	138	52	22	412
Auditing	16	1	125	90	2	9	0	15	258
Monitoring/Sampling Only	0	2	38	0	0	32	6	0	78
Total Monitoring/Sampling	64	40	272	2	3	183	116	34	714
Recordkeeping Only	13	0	0	2	2	16	4	15	52
Total Recordkeeping	88	18	362	35	28	172	128	66	897
Labeling/Manifesting	10	5	120	1	42	28	2	15	223
Reporting Only	118	4	68	97	35	4	1,222	14	1,562
Total Reporting	188	22	298	203	60	66	1,664	40	2,541
Information Letter Response	18	8	148	2	2	14	8	2	202
Permit Application	7	0	232	1	0	3	1	0	244
Training	33	2	287	3	6	17	26	16	390
Provide Site Access	0	56	138	1	0	18	0	1	214
Site Assessment	0	11	138	0	2	20	2	1	174
Remedial Investigation/Feasibility Study	0	19	0	0	0	4	1	0	24
Other Result/Impact Only	28	119	193	16	60	29	313	3	761
Total Other Result/Impact	64	146	335	36	79	72	620	23	1,375
Penalty Only	72	17	204	40	69	51	7	41	501
Total # of Cases	534	381	1,264	382	264	445	2,134	205	5,609
Total # of Impact Types	692	480	4,004	426	320	923	2,645	328	9,818
# of Settlements w/ Action Listed	338	286	926	235	173	337	2019	141	4,455

Complying action data were provided for 4,956 of the 5,609 FY 2000 settlements.

Results: Outcomes
FY 2000 Concluded EPA Enforcement Actions: Types of Compliance Activity
- By Law (Does Not Include SEP Impacts)

Multiple complying actions were reported for many settlements.

OECA/OC/EPTDD/TEB - November 22, 2000

Frequency Distribution of Specific Complying Actions as a Percent
of Settlements for each Statute in FY 2000

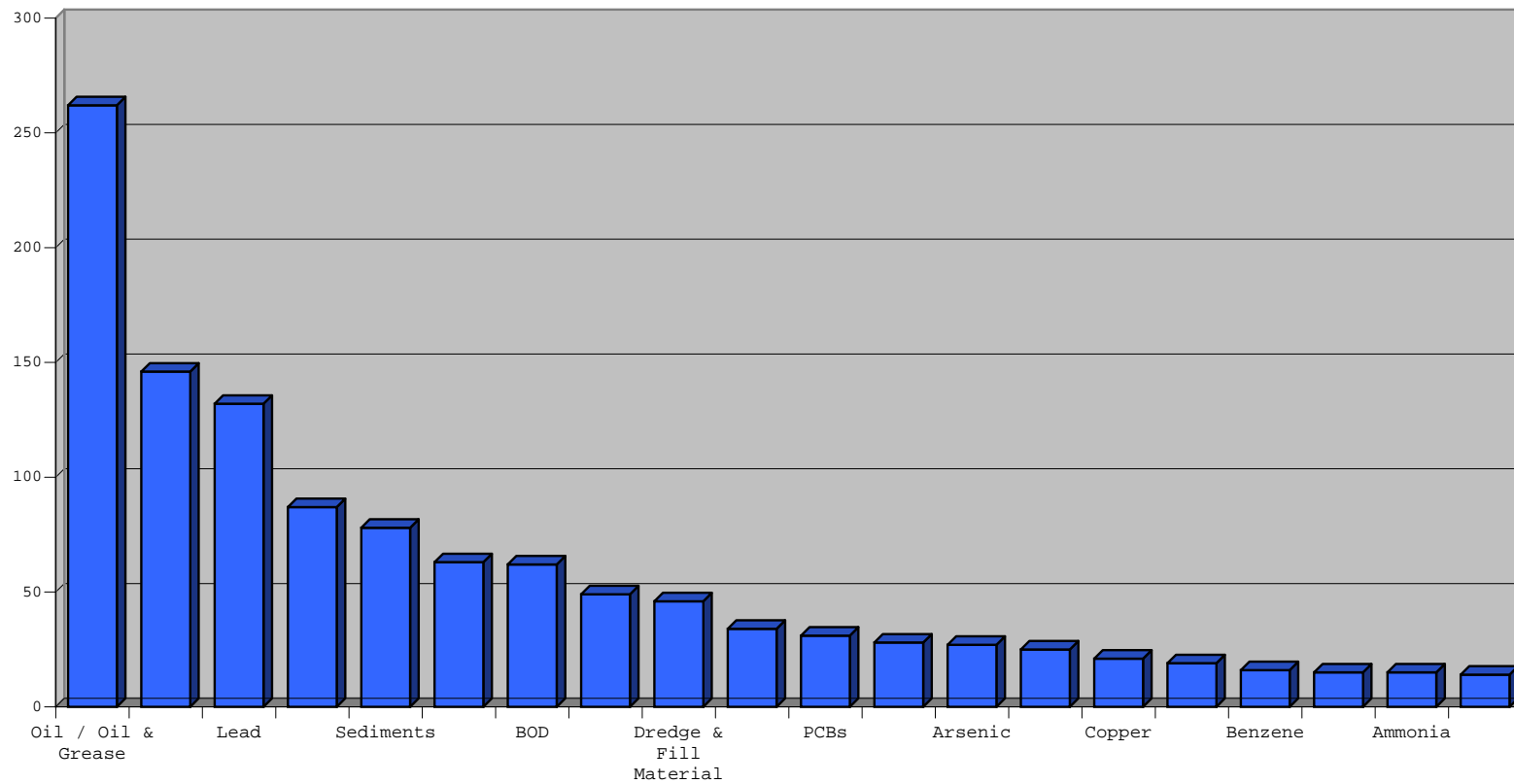
Type of Impact from FY 2000 Cases	CAA	CERCLA	CWA	EPCRA	FIFRA	RCRA	SDWA	TSCA	TOTALS
Use Reduction	2.2%	0.0%	9.7%	1.0%	1.9%	2.0%	0.0%	2.0%	2.8%
Industrial Process Change	2.2%	0.5%	10.1%	1.0%	1.1%	2.5%	0.2%	1.0%	3.0%
Emissions/Discharge Change	7.1%	1.3%	21.6%	0.5%	0.0%	3.6%	0.0%	0.5%	6.0%
Storage/Disposal Change	1.3%	0.5%	11.5%	0.3%	3.4%	9.0%	0.1%	8.3%	4.0%
Remediation/Restoration	3.2%	7.6%	25.8%	0.3%	0.4%	6.3%	0.5%	5.9%	7.6%
Removal	1.1%	15.5%	14.7%	0.0%	3.4%	5.2%	0.0%	7.8%	5.3%
Remedial Design/Remedial Action	0.0%	6.0%	1.5%	0.0%	0.0%	0.2%	0.0%	0.0%	0.8%
Testing	7.5%	3.9%	11.5%	0.0%	0.0%	31.0%	2.4%	10.7%	7.3%
Auditing	3.0%	0.3%	9.9%	23.6%	0.8%	2.0%	0.0%	7.3%	4.6%
Monitoring/Sampling Only	0.0%	0.5%	3.0%	0.0%	0.0%	7.2%	0.3%	0.0%	1.4%
Total Monitoring/Sampling	12.0%	10.5%	21.5%	0.5%	1.1%	41.1%	5.4%	16.6%	12.7%
Recordkeeping Only	2.4%	0.0%	0.0%	0.5%	0.8%	3.6%	0.2%	7.3%	0.9%
Total Recordkeeping	16.5%	4.7%	28.6%	9.2%	10.6%	38.7%	6.0%	32.2%	16.0%
Labeling/Manifesting	1.9%	1.3%	9.5%	0.3%	15.9%	6.3%	0.1%	7.3%	4.0%
Reporting Only	22.1%	1.0%	5.4%	25.4%	13.3%	0.9%	57.3%	6.8%	27.8%
Reporting	35.2%	5.8%	23.6%	53.1%	22.7%	14.8%	78.0%	19.5%	45.3%
Information Letter Response	3.4%	2.1%	11.7%	0.5%	0.8%	3.1%	0.4%	1.0%	3.6%
Permit Application	1.3%	0.0%	18.4%	0.3%	0.0%	0.7%	0.0%	0.0%	4.4%
Training	6.2%	0.5%	22.7%	0.8%	2.3%	3.8%	1.2%	7.8%	7.0%
Provide Site Access	0.0%	14.7%	10.9%	0.3%	0.0%	4.0%	0.0%	0.5%	3.8%
Site Assessment	0.0%	2.9%	10.9%	0.0%	0.8%	4.5%	0.1%	0.5%	3.1%
Remedial Investigation/Feasibility Study	0.0%	5.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.4%
Other Result/Impact Only	5.2%	31.2%	15.3%	4.2%	22.7%	6.5%	14.7%	1.5%	13.6%
Total Other Result/Impact	12.0%	38.3%	26.5%	9.4%	29.9%	16.2%	29.1%	11.2%	24.5%
Penalty Only	13.5%	4.5%	16.1%	10.5%	26.1%	11.5%	0.3%	20.0%	8.9%
Total # of Cases	534	381	1,264	382	264	445	2,134	205	5,609
Total # of Impact Types	692	480	4,004	426	320	923	2,645	328	9,818
# of Settlements w/ Action Listed	338	286	926	235	173	337	2,019	141	4,455

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Multiple complying actions were reported for many settlements.

OECA/OC/EPTDD/TEB - November 28, 2000

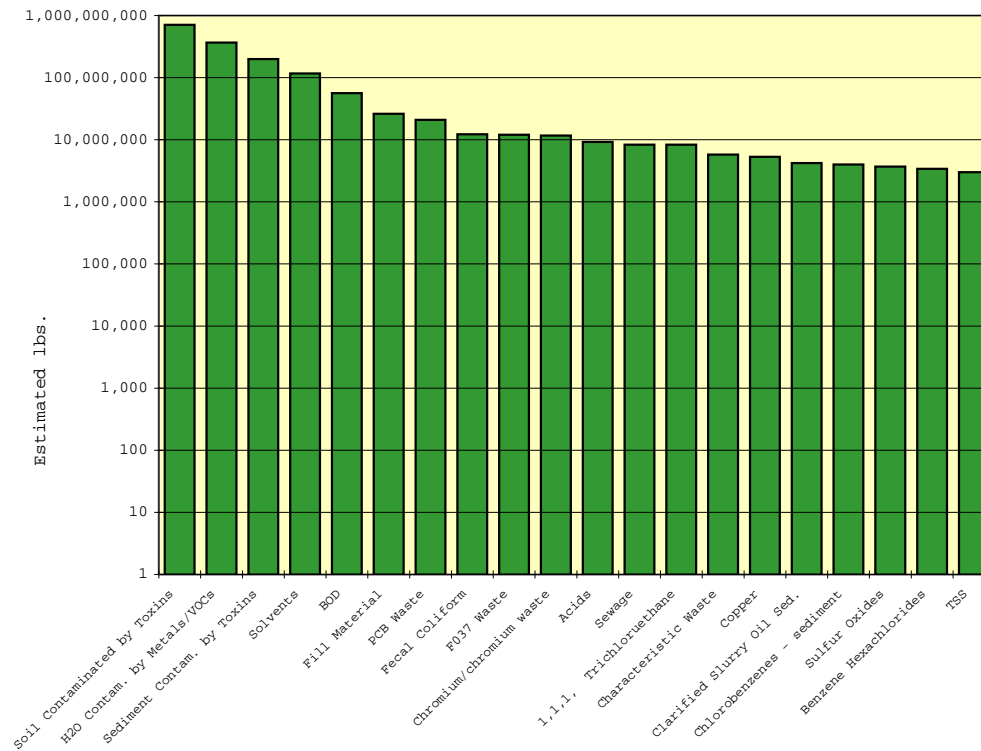
Pollutants Most Frequently Identified as Reductions



In 853 of the 5,609 FY 2000 civil settlements at least one pollutant was listed as being reduced through the enforcement action.

November 30, 2000 - OECA/OC/EPTDD/IUTB

Twenty Pollutants with the Largest Reductions Reported for FY 2000 EPA Enforce



Pollutant	Lbs. Reduced
Soil Contam. by Toxi	707,222,000
H2O Contam. w/ Metals/V	366,520,000
Sediment Contam. by Tox	198,800,000
Solvents	116,946,244
BOD	56,360,147
Fill Material	26,146,000
PCB Waste	20,886,506
Fecal Coliform	12,226,303
F037 Waste	12,000,000
Chromium/chromium waste	11,670,591
Acids	9,206,250
Sewage	8,330,000
1,1,1, Trichlorueth	8,330,000
Characteristic Waste	5,755,000
Copper	5,308,817
Clarified Slurry Oil	4,200,000
Chlorobenzenes- sedi	4,000,000
Sulfur Oxides	3,694,600
Benzene Hexachloride	3,400,000
TSS	3,008,847

Note: Chart is in Log₁₀ sca

December 1, 2000 - OECA/OC/EPTDD/IUTB